Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/15/2018 09:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125884	0	1.04	125986	1.01
Blue	F	SSC	125000	124487	-1	2.10	125308	2.06
Blue	E	FITC	15492	15016	-4	2.98	349	21.92
Blue	D	PE	28736	28071	-3	1.99	621	15.95
Blue	B	PerCP-Cy5-5	41413	40719	-2	4.10	1113	22.86
Blue	A	PE-Cy7	31321	31411	0	6.92	572	47.19
Red	C	APC	41673	41098	-2	2.67	1587	12.94
Red	A	APC-Cy7	29962	29530	-2	2.53	740	13.99
Violet	B	V450	8318	7942	-5	4.17	441	14.50
Violet	A	V500	34199	32813	-5	3.89	788	11.15

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20522	3.85	607	-6	N/A	N/A	Pass
Blue	F	SSC	56269	1.33	573	5	N/A	N/A	Pass
Blue	E	FITC	60	70.42	555	-6	0.0154	135	Pass
Blue	D	PE	123	56.74	555	-5	0.1350	286	Pass
Blue	B	PerCP-Cy5-5	208	55.19	660	-7	0.0074	44	Pass
Blue	A	PE-Cy7	113	118.61	718	-4	0.0093	32	Pass
Red	C	APC	364	28.45	599	-2	0.0210	206	Pass
Red	A	APC-Cy7	182	31.84	575	-1	0.0046	1121	Pass
Violet	B	V450	65	70.48	476	-1	0.0443	2404	Pass
Violet	A	V500	113	39.54	493	-1	0.0201	1183	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.26	-31.87	1.08
Blue	20.37	16.27 - 24.41	1.29	0.99 - 1.49	0.00	0.00	1.52
Red	16.97	13.60 - 20.40	N/A	N/A	29.21	29.58	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9796

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments